



DRAFT 7-7-2015

Spotlight: Warwick RI

End of Road Retrofits

What they did and why

In the Summer of 2014, Save the Bay worked with the City of Warwick to remove pavement at the end of five roads that dead end along Narragansett Bay. These roads were vulnerable to erosion and coastal flooding and conveyed untreated stormwater directly to the Bay.

The pavement was removed and stormwater filter strips were installed to slow and filter road runoff. Grasses were planted in the restored coastal area and public access was incorporated at some of the sites to enhance neighborhood access to the shore.

"This project greatly improved the coastal area, instead of a crumbling road we now have a beautiful, protective shoreline people can use to safely access the coast, and less stormwater going into the bay. It was a multiple "win" project"

(made up as an example)

What were the benefits

- Reduction of stormwater pollution to the Bay
- Reduction of ##feet of impervious cover
- Improved coastal habitat
- Improved coastal protection
- Enhanced public access and recreation
- Removal of invasive species, less road maintenance

How much did it cost

\$5,000-\$10,000 per road, sometimes more depending on the amount of rock or gravel needed

What did they learn or what would they recommend to others

- In areas where the marshes had already eroded, we needed to take action
- It is a challenge to incorporate overflows for stormwater in areas of coastal flooding and high groundwater
- We had roads that were crumbling asphalt from past hurricanes, you could consider recycling or repurposing the asphalt that is removed
- Be careful to pick the appropriate native plants and plant them at the right time of year



After



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